



Class	Subclass	ISSUE CLASSIFICATION	PATENT NUMBER						
<p style="text-align: center;"><b>U.S. UTILITY Patent Application</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%; text-align: center;">             SCANNED         </td> <td style="width: 25%; text-align: center;">           O.I.P.E.         </td> <td style="width: 25%; text-align: center;">           PATENT DATE         </td> </tr> <tr> <td style="text-align: center;">           TR-2         </td> <td style="text-align: center;">           Q.A.  </td> <td style="text-align: center;">  </td> </tr> </table>				 SCANNED	O.I.P.E.	PATENT DATE	TR-2	Q.A. 	
 SCANNED	O.I.P.E.	PATENT DATE							
TR-2	Q.A. 								

## APPLICANTS

## TIME

Naya Hasagawa  
Masamichi Saito

Exchange coupling film and magnetoresistive element using the same

PTO-2040  
12/99

## **ISSUING CLASSIFICATION**

**Continued on Issue Slip Inside File Jacket**

TERMINAL DISCLAIMER	DRAWINGS			CLAIMS ALLOWED	
	Sheets Drwg.	Figs. Drwg.	Print Fig.	Total Claims	Print Claim for O.G.
<input type="checkbox"/> The term of this patent subsequent to _____ (date) has been disclaimed.				<b>NOTICE OF ALLOWANCE MAILED</b>	
<input type="checkbox"/> The term of this patent shall not extend beyond the expiration date of U.S Patent. No. _____ _____ _____	(Assistant Examiner) _____ (Date) _____			<b>ISSUE FEE</b> Amount Due _____ Date Paid _____	
<input type="checkbox"/> The terminal _____ months of this patent have been disclaimed.	(Primary Examiner) _____ (Date) _____			<b>ISSUE BATCH NUMBER</b> (Legal Instruments Examiner) _____ (Date) _____	
<b>WARNING:</b> The information disclosed herein may be restricted. Unauthorized disclosure may be prohibited by the United States Code Title 35, Sections 122, 181 and 368. Possession outside the U.S. Patent & Trademark Office is restricted to authorized employees and contractors only.					

**WARNING:**

The information disclosed herein may be restricted. Unauthorized disclosure may be prohibited by the United States Code Title 35, Sections 122, 181 and 368. Possession outside the U.S. Patent & Trademark Office is restricted to authorized employees and contractors only.

FILED WITH:  DISK (CRF)  FICHE  CD-ROM  
(Attached in pocket on right inside flap)